

A	B	C	D	Sim	Não	Unigrama	Sim	Não	Unigrama
0	0	0	0	0	1	1	—	$\bar{A} \cdot \bar{B} \cdot \bar{C} \cdot \bar{D}$	$\bar{A} \cdot \bar{B} \cdot \bar{C} \cdot \bar{D}$
0	0	0	1	0	1	0	—	$\bar{A} \cdot \bar{B} \cdot \bar{C} \cdot D$	—
0	0	1	0	0	1	0	—	$\bar{A} \cdot \bar{B} \cdot C \cdot \bar{D}$	—
0	0	1	1	0	0	0	$\bar{A} \cdot \bar{B} \cdot C \cdot D$	—	—
0	1	0	0	0	1	0	—	$\bar{A} \cdot B \cdot \bar{C} \cdot \bar{D}$	—
0	1	0	1	0	1	0	—	$\bar{A} \cdot B \cdot \bar{C} \cdot D$	—
0	1	1	0	0	1	0	—	$\bar{A} \cdot B \cdot C \cdot \bar{D}$	—
0	1	1	1	0	0	0	$\bar{A} \cdot B \cdot C \cdot D$	—	—
1	0	0	0	0	1	0	—	$A \cdot \bar{B} \cdot \bar{C} \cdot \bar{D}$	—
1	0	0	1	0	1	0	—	$A \cdot \bar{B} \cdot \bar{C} \cdot D$	—
1	0	1	0	0	1	0	—	$A \cdot \bar{B} \cdot C \cdot \bar{D}$	—
1	0	1	1	0	0	0	$A \cdot \bar{B} \cdot C \cdot D$	—	—
1	1	0	0	0	1	0	—	$A \cdot B \cdot \bar{C} \cdot \bar{D}$	—
1	1	0	1	0	1	0	—	$A \cdot B \cdot \bar{C} \cdot D$	—
1	1	1	0	0	1	0	—	$A \cdot B \cdot C \cdot \bar{D}$	—
1	1	1	1	0	0	0	$A \cdot B \cdot C \cdot D$	—	—

Arg-E - T13 - tabela verdade

A	B	C	D	Sim	Não	Unigrama
0	0	0	0	0	1	0
0	0	0	1	0	1	0
0	0	1	0	0	1	0
0	0	1	1	0	1	0
0	1	0	0	0	1	0
0	1	0	1	0	1	0
0	1	1	0	0	1	0
0	1	1	1	0	1	0
1	0	0	0	0	1	0
1	0	0	1	0	1	0
1	0	1	0	0	1	0
1	0	1	1	0	1	0
1	1	0	0	0	1	0
1	1	0	1	0	1	0
1	1	1	0	0	1	0
1	1	1	1	0	1	0

Utilizando Karnaugh em sim

CD \ AB	00	01	11	10
00	0	0	1	0
01	0	1	1	0
11	0	1	1	1
10	0	1	1	0

$\bar{A}B\bar{D} + ABC + AD + CD$

A	B	C	D	Sim	Não	Unan.	Sim	Não	Unanime
0	0	0	0	0	1	1	—	$A \cdot B \cdot \bar{C} \cdot \bar{D}$	$A \cdot B \cdot \bar{C} \cdot \bar{D}$
0	0	0	1	0	1	0	—	$A \cdot B \cdot \bar{C} \cdot D$	—
0	0	1	0	0	1	0	—	$A \cdot B \cdot C \cdot \bar{D}$	—
0	0	1	1	0	1	0	—	$A \cdot B \cdot C \cdot D$	—
0	1	0	0	0	1	0	—	$A \cdot \bar{B} \cdot \bar{C} \cdot \bar{D}$	—
0	1	0	1	0	1	0	—	$A \cdot \bar{B} \cdot \bar{C} \cdot D$	—
0	1	1	0	0	1	0	—	$A \cdot \bar{B} \cdot C \cdot \bar{D}$	—
0	1	1	1	0	1	0	—	$A \cdot \bar{B} \cdot C \cdot D$	—
1	0	0	0	1	0	0	—	$A \cdot \bar{B} \cdot \bar{C} \cdot \bar{D}$	—
1	0	0	1	1	0	0	—	$A \cdot \bar{B} \cdot \bar{C} \cdot D$	—
1	0	1	0	1	0	0	—	$A \cdot \bar{B} \cdot C \cdot \bar{D}$	—
1	0	1	1	1	0	0	—	$A \cdot \bar{B} \cdot C \cdot D$	—
1	1	0	0	1	0	0	—	$A \cdot B \cdot \bar{C} \cdot \bar{D}$	—
1	1	0	1	1	0	0	—	$A \cdot B \cdot \bar{C} \cdot D$	—
1	1	1	0	1	0	0	—	$A \cdot B \cdot C \cdot \bar{D}$	—
1	1	1	1	1	0	0	—	$A \cdot B \cdot C \cdot D$	—

	CD	00	01	11	10
AB	00	0	0	1	0
	01	0	1	1	0
	11	0	1	1	1
	10	0	1	1	0

$\text{Sim} = (A \cdot B \cdot C) + (A \cdot D) + (B \cdot D) + (C \cdot D)$
 $\text{Não} = \bar{\text{Sim}}$
 $\text{Não} = (\bar{A} \cdot \bar{B} \cdot \bar{C}) + (\bar{A} \cdot \bar{D}) + (\bar{B} \cdot \bar{D}) + (\bar{C} \cdot \bar{D})$

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Mapa Karnaugh em "Não"				
AB \ CD	00	01	11	10
00	1	1	0	1
01	1	0	0	1
11	1	0	0	0
10	1	0	0	1

$\bar{C} \cdot \bar{D} + \bar{B} \cdot \bar{D} + \bar{A} \cdot \bar{D} + \bar{A} \cdot \bar{B} \cdot \bar{C}$

Mapa de Karnaugh em "Unanime"

AB \ CD	00	01	11	10
00	1	0	0	0
01	0	0	0	0
11	0	0	1	0
10	0	0	0	0

$A \cdot \bar{B} \cdot \bar{C} \cdot \bar{D} + A \cdot B \cdot C \cdot D$